

Abstract

The present invention provides a digital signal recording apparatus and a recording medium for recording digital compressed picture information on magnetic tape, and specifically the structure of the recording apparatus that suitably records picture trick-play data separately from recording data for a normal replay and the recording medium on which data is suitably recorded.

The digital signal recording apparatus includes picture data extraction circuit (103) for extracting picture data from the input digital compressed picture signal, trick-play-data generation means (105) for generating trick-play data while reducing the extracted picture data, and data disposition circuit (106) for disposing the trick-play data on tracks in position falling in line with the trace of the rotary magnetic head scanning in trick-play mode. The trick-play-data generation means (105) operates through program processing of a microprocessor (105). In addition, the recording apparatus generates trick-play data respectively applied to fast forward operation and rewind operation and record the data in predetermined locations on a medium, whereby faster display update on screen during the trick-play is achieved and rewind and replay operation can be performed suitably.